

Application No.: 10/629,152

Docket No.: JCLA11065

REMARKSPresent Status of the Application

Upon entry of the amendments in this response, claims 1-16 are pending of which the claim 16 has been amended and the claims 5 and 12 has been cancelled without prejudice or disclaimer in order to more explicitly describe the claimed invention. In addition, Fig.4, is amended because applicants found that the words "date ,," shown in Fig.4, were erred and accordingly all the words "date "were corrected to be "data." It is believed that no new matter adds by way of amendments made to claims. For at least the foregoing reason, applicants respectfully submit that claims 1-16 patently define over prior art of record and reconsideration of this application is respectfully requested.

Discussion for objection to claims under 35 U.S.C.112

1. Claims 5 and 12 contain the trademark/trade name "WW55MID50." Where a trademark or trade name is used in a claim as a limitation to identify or describe a particular material or product, the claim does not comply with requirement of 35 U.S.C. 112, second paragraph.

In response thereto, applicants have cancelled claims 5 and 12 so that the informalities thereof do not exist.

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**Discussion for objection to claims under 35 U.S.C.102 (a)**

*3. Claims 1, 5, 8, 9 and 12 are rejected under 35 U.S.C.102 (b) as being anticipated by Serra.(US patent no. 6,774,865)*

*Re claim 1, A contactless radio frequency magnetic field data transmission card (see Fig.1-3; Col. 1, lines 26-47) for transceiving a message with a radio frequency (RF) magnetic field identification reader ( see Col. 7, lines 60-Col. 8 lines 5) , comprising:*

*an antenna module; ( see Col.1, lines 16-30; Col 5 , lines 29-33)*

*a micro processing unit for transceiving the message according to a transmission protocol (See col., 2, lines 21-35; col.,6 lines 9-14); and*

*a magnetic field identification chip (see Fig.5; col.,6 lines 1-14) coupled to the antenna module and the micro processing unit, for converting the message into a magnetic field signal and then transmitting the magnetic field signal through the antenna module, and converting a magnetic field signal received by the antenna module into the message (see Fig.8).*

In response thereto, applicants respectfully transverse the objection based on the following arguments and thus withdrawal of objections to the claims 1, 5, 8 and 9 is respectfully requested. To establish a prime case of anticipation, US patent no. 6,774,865 (Serra, hereinafter referred to Serra) should teach every element (or every step) disclosed in the independent claims 1 and 8 in the present invention. First of all, from col. 6, lines 12-14 and claim 1 line 13 in Serra, a protocol implemented in Serra is used to prevent a collision occurrence due to magnetic field signals simultaneously sending from individual micromodules 45,45', 45'' and 45''' to the

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collective coil. So, the protocol implemented in Serra is an "anti-collision protocol." However, from the last sentence in the paragraph [0020] and Figs. 3 and 4 in the specification in the present invention, the present invention implements "a transmission protocol" according to which a message is transmitted between the radio frequency magnetic identification reader and the contactless radio frequency magnetic field data transmission card. Furthermore, from Fig. 1, the present invention implements microprocessor ( $\mu$  C) and peripheries in each transceiver, rather than only one microprocessor used in one transceiver in Serra. Again, from Fig. 4, the transmission protocol enables the present invention to interactively communicate between these two transceivers; for example, code 10 allows one transceiver to send "request for data". That is, the present invention has superior functionalities over Serra. As a result, Serra fails to teach, suggest or disclose "a micro processing unit for transceiving the message according to a transmission protocol" as claimed and featured in the independent claim 1.

In addition, from col. 2, lines 25-37 in Serra, one of ICs (45, 45', 45'' and 45''' ) is triggered to operate a send and/or receive action only when its individual coil is coupled by a collective coil. That is, ICs in Serra are passive. By contrast, microprocessors ( $\mu$  C) implemented in the present invention operate all the time during a communication period.

Furthermore, Serra also fails to teach, suggest or disclose a method which contain the feature of " a message is transmitted between the radio frequency magnetic identification reader and the contactless radio frequency magnetic field data transmission card according to a transmission protocol" as claimed and featured in the independent claim 8. Therefore, the independent claims 1 and 8 are not anticipated by Serra.

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With respect to claims 5, 9 and 12, the claims 5 and 12 have been cancelled in this response and dependent claim 9 should be patentable as a matter of law for at least the following reason it contains all features of its base independent claim 8.

**Discussion for objection to claims under 35 U.S.C.103 (a)**

*6. Claims 2, 3, 10 and 11 are rejected under 35 U.S.C.103 (a) as being unpatentable over Serra in view of Li.*

In response thereto, applicants respectfully transverse the objection based on the following arguments and thus withdrawal of objections to the claims 2, 3, 10 and 11 is respectfully requested. First of all, from claim 1 in Li, there discloses" a micro control unit for verifying a pre-assigned user information." Hence, if Li is incorporated into the Serra, this incorporation would not comprises" a micro controller that functions transceiving the message according to a transmission protocol" as claimed in the claim 2 and 10 in the present invention.

Further, it is noticeable that claims 2, 3, 10 and 11 are dependent claims that directly or indirectly depend their corresponding base independent claims 1 and 8. As a result, claims 2, 3, 10 and 11 are patentable over Saito and further in view of Li as a matter of law for at least the following reason they contain all features of their base independent claims 1 and 8.

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*7. Claims 4 and 16 are rejected under 35 U.S.C.103 (a) as being unpatentable over Serra in view of Kuo.*

In response thereto, applicants respectfully transverse the objection based on the following arguments and thus withdrawal of objections to the claims 4 and 16 is respectfully requested. First of all, from col. 9 lines 7-12 in Kuo, the smart card contacts an interface device that initiate ISO/EEC 7816-3 protocols. As Kuo employs the smart card's a contact accessing data, instead of the contactless accessing data in the present invention, an antenna is no more needed in Kuo. In addition, ISO/EEC 7816-3 protocols implemented in Kuo is not identical to the transmission protocol in the present invention. Since Serra implements a wireless accessing data that is totally distinct from Kuo's contact accessing data, and further there does not disclose any teaching or suggesting about the combination of Serra and Kuo in either Serra or Kuo, one of ordinary skill in the art should have no motive or need to do this combination in view of either Serra or Kuo without gleaning from the present invention's disclosure. Therefore, the examiner's conclusion that the combination of Serra and Kuo can be made, is based on improper hindsight reasoning. As a result, claims 4 and 16 are patentable over Serra in view of Kuo.

Further, the dependent claims 4 and 16 are patentable as a matter of law for the following reason they contain all features of their corresponding base independent claims 1 and 8.

*8. Claims 6 and 14 are rejected under 35 U.S.C.103 (a) as being unpatentable over Serra in view of Boudou.*

In response thereto, applicants respectfully transverse the objection based on the following arguments and thus withdrawal of objections to the claims 6 and 14 is respectfully requested. No

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matter the claims 6 and 14 are conventional, the dependent claims 6 and 14 are patentable as a matter of law for the following reason they contain all features of their corresponding base independent claims 1 and 8.

*9. Claims 7, 13 and 15 are rejected under 35 U.S.C.103 (a) as being unpatentable over Serra in view of Clark.*

In response thereto, applicants respectfully transverse the objection based on the following arguments and thus withdrawal of objections to the claims 7, 13 and 15 is respectfully requested. No matter the claims 7, 13 and 15 are conventional, the dependent claims 7, 13 and 15 are patentable as a matter of law for the following reason they contain all features of their corresponding base independent claims 1 and 8.

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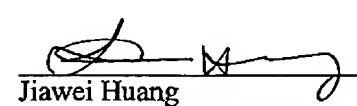
**CONCLUSION**

For at least the foregoing reasons, it is believed that all the pending claims 1-16 of the present application patently define over the prior art and are in proper condition for allowance. If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

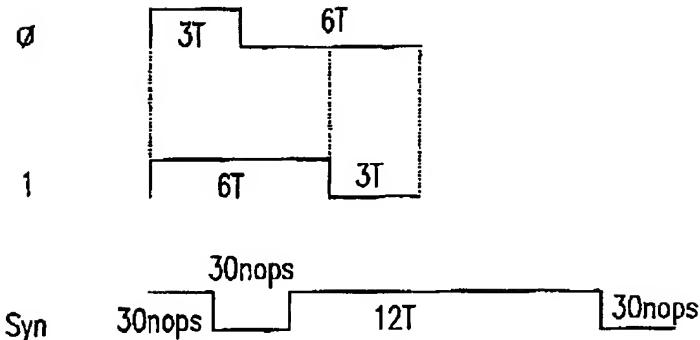
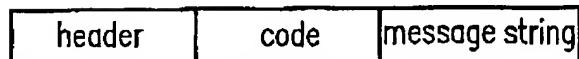
Respectfully submitted,  
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**Annotated Marked-up drawing****FIG. 2****FIG. 3**

code	message string	Package length(nibbles)	function
0~7	data name+data+checksum	2*code+2nibbles	data
8	checksum	2nibbles	ACK
9	checksum	2nibbles	RESEND
10	data name+checksum	3nibbles	Request for data
11~15	reserve	reserve	reserve

**FIG. 4**